

FIG. 1

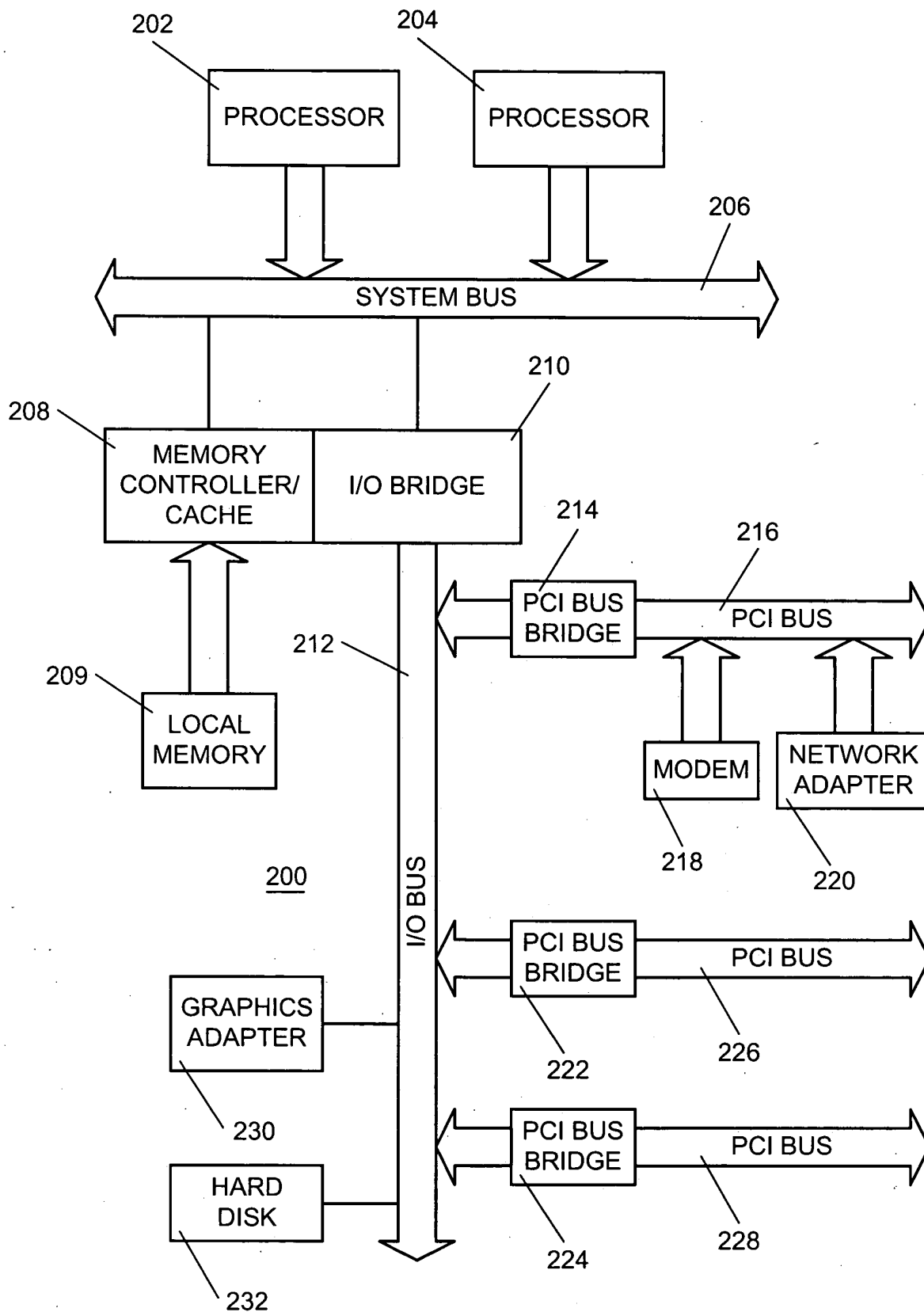


FIG. 2

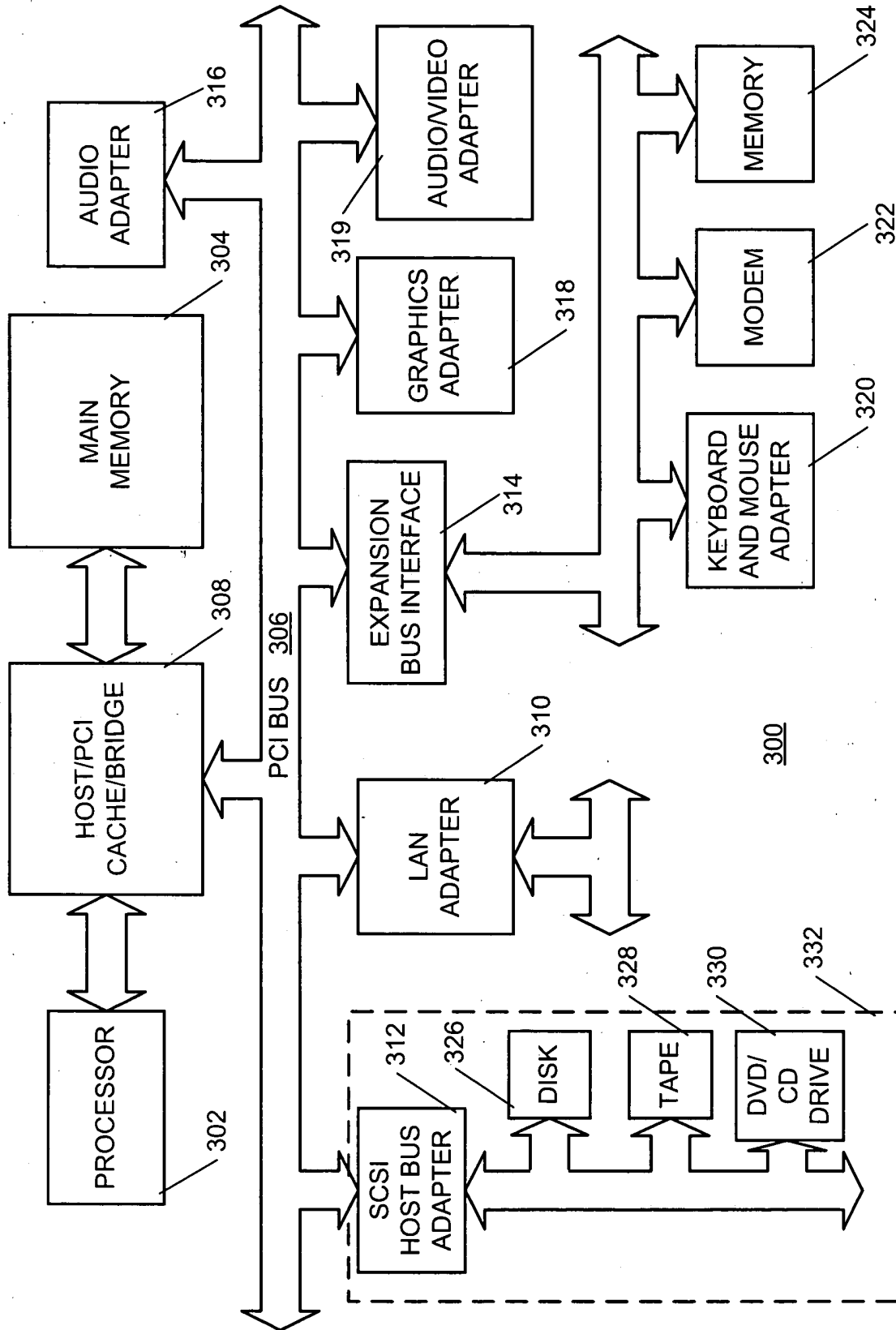


FIG. 3

```
[401]<?xml version="1.0"?>
[402]<purchaseOrder orderDate="2003-10-13">
[403]  <shipTo country="US">
[404]    <name>XYZ Hospital</name>
[405]    <street>123 Main Street</street>
[406]    <city>Any City</city>
[407]    <state>Any State</state>
[408]    <zip>99999</zip>
[409]  </shipTo>
[410]  <billTo country="US">
[411]    <name>John Doe</name>
[412]    <street>123 Main Street</street>
[413]    <city>Any City</city>
[414]    <state>Any State /state>
[415]    <zip>99999</zip>
[416]  </billTo>
[417]  <comment>Need order within three months!</comment>
[418]  <items>
[419]    <item partNum="999-XX">
[420]      <productName>MRI Machine</productName>
[422]      <quantity>1</quantity>
[423]      <USPrice>20,000.00</USPrice>
[424]      <comment>Please, confirm shipment date</comment>
[425]    </item>
[426]  </items>
[427]</purchaseOrder>
```

FIG. 4

```
[501]<xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema">
[502]  <xsd:annotation>
[503]    <xsd:documentation xml:lang="en">
[504]      Purchase order schema
[505]      Copyright 2000 Example.com. All rights reserved.
[506]    </xsd:documentation>
[507]  </xsd:annotation>

[508]  <xsd:element name="purchaseOrder" type="PurchaseOrderType"/>

[509]  <xsd:element name="comment" type="xsd:string"/>

[510]  <xsd:complexType name="PurchaseOrderType">
[511]    <xsd:sequence>
[512]      <xsd:element name="shipTo" type="USAddress"/>
[513]      <xsd:element name="billTo" type="USAddress"/>
[514]      <xsd:element ref="comment" minOccurs="0"/>
[515]      <xsd:element name="items" type="Items"/>
[516]    </xsd:sequence>
[517]    <xsd:attribute name="orderDate" type="xsd:date"/>
[518]  </xsd:complexType>

[519]  <xsd:complexType name="USAddress">
[520]    <xsd:sequence>
[522]      <xsd:element name="name" type="xsd:string"/>
[523]      <xsd:element name="street" type="xsd:string"/>
[524]      <xsd:element name="city" type="xsd:string"/>
[525]      <xsd:element name="state" type="xsd:string"/>
[526]      <xsd:element name="zip" type="xsd:decimal"/>
[527]    </xsd:sequence>
[528]    <xsd:attribute name="country" type="xsd:NMTOKEN"
[529]      fixed="US"/>
```

FIG. 5(a)

```
[530] </xsd:complexType>

[531] <xsd:complexType name="Items">
[532]   <xsd:sequence>
[533]     <xsd:element name="item" minOccurs="0"
maxOccurs="unbounded">
[534]       <xsd:complexType>
[535]         <xsd:sequence>
[536]           <xsd:element name="productName" type="xsd:string"/>
[537]           <xsd:element name="quantity">
[538]             <xsd:simpleType>
[539]               <xsd:restriction base="xsd:positiveInteger">
[540]                 <xsd:maxExclusive value="100"/>
[541]               </xsd:restriction>
[542]             </xsd:simpleType>
[543]           </xsd:element>
[544]           <xsd:element name="USPrice" type="xsd:decimal"/>
[545]           <xsd:element ref="comment" minOccurs="0"/>
[546]           <xsd:element name="shipDate" type="xsd:date" minOccurs="0"/>
[547]         </xsd:sequence>
[548]         <xsd:attribute name="partNum" type="SKU" use="required"/>
[549]       </xsd:complexType>
[550]     </xsd:element>
[551]   </xsd:sequence>
[552] </xsd:complexType>

[553] <!-- Stock Keeping Unit, a code for identifying products -->
[554] <xsd:simpleType name="SKU">
[555]   <xsd:restriction base="xsd:string">
[556]     <xsd:pattern value="\d{3}-[A-Z]{2}"/>
[557]   </xsd:restriction>
[558] </xsd:simpleType>

[559] </xsd:schema>
```

FIG. 5(b)

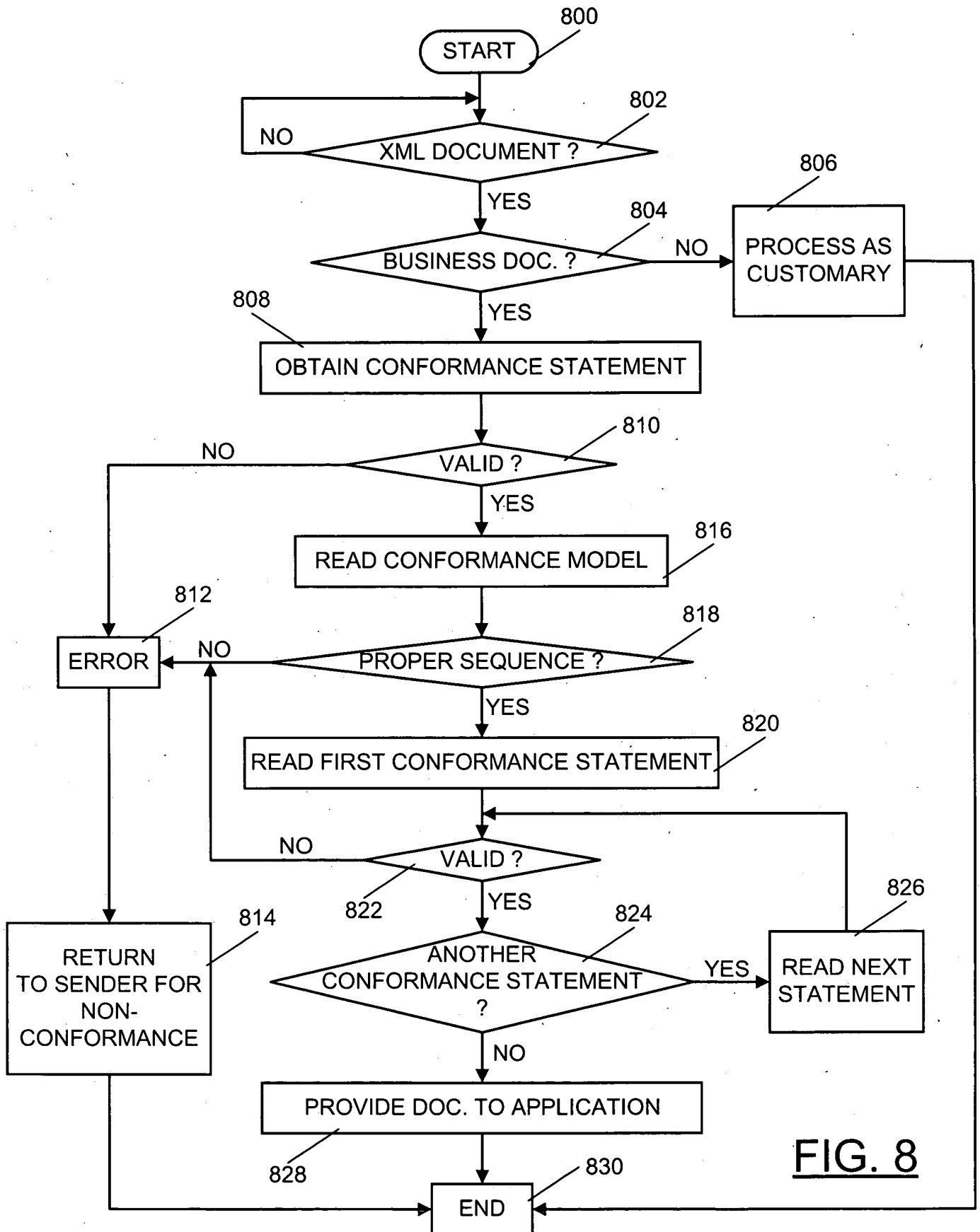
```
[601] <?xml version="1.0" encoding="UTF-8"?>
[602] <BusinessInformationConformanceStatement
xmlns="http://examples.com/biics"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
targetNamespace="http://www.societya.org/namespace/member/conformance"
xsi:schemaLocation="http://examples.com/biics
[603] biics.xsd">
[604]   <InformationDescriptor informationDescription="Conformance sequence
to ensure that there will be a demonstration by a person having the requisite
experience.">
[605]     <ConformanceModel>
[606]       <ConformanceSequence>
[607]         <Conformance conformanceDescription="ensure conformance with
the Medical.org standard.">
[608]           <TypeSystem>
[609]             <XMLSchemaTypeSystem>
[610]               <InstanceLocation>./member.xsd</InstanceLocation>
[611]             </XMLSchemaTypeSystem>
[612]           </TypeSystem>
[613]         </Conformance>
[614]         <Conformance conformanceDescription="ensure requisite experience
info is present via more constrained schema.">
[615]           <TypeSystem>
[616]             <XMLSchemaTypeSystem>
[617]               <InstanceLocation>./experienceRequired.xsd</InstanceLocation>
[618]             </XMLSchemaTypeSystem>
[619]           </TypeSystem>
[620]         </Conformance>
[621]       </ConformanceSequence>
[622]     </ConformanceModel>
[623]   </InformationDescriptor>
[624] </BusinessInformationConformanceStatement>
```

FIG. 6

```
[ 701 ] <?xml version="1.0" encoding="UTF-8" ?>
[ 702 ] <sch:schema version="1.5" xmlns=http://www.ascc.net/xml/schematron
[ 703 ]   xmlns:sch="http://www.ascc.net/xml/schematron"
[ 704 ]   xmlns:xsd="http://www.w3.org/2001/XMLSchema"
[ 705 ]   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
[ 706 ]   xsi:schemaLocation="http://www.ascc.net/xml/schematron
schematron1-5.xsd">
[ 707 ]   <!-- - This Schematron Rule asserts that at least one
<DemonstrationInfo> element is required. - ->
[ 708 ]   <title>Demonstration Check</title>
[ 709 ]   <ns prefix="mb" uri="urn:medical.org:member" />
[ 710 ]   <pattern name="Demonstration Info Required Check">
[ 711 ]     <rule context="/mb:Members/mb:Member">
[ 712 ]       <assert test="count(mb:DemonstrationInfo) > 0">Demonstration
date missing.</assert>
[ 713 ]     </rule>
[ 714 ]   </pattern>
[ 715 ] </sch:schema>
```

FIG. 7



**FIG. 8**